

In the Claims:

Please amend claims 1 and 5. The status of all claims is as follows:

1. (Currently Amended) A method of manufacturing a magnetic recording medium comprising the steps of:

a) laminating an underlayer, a magnetic layer for recording, and a protection layer of amorphous carbon on a substrate of said magnetic recording medium in turn; and

b) repeating a process to said protection layer of amorphous carbon plural times, said process comprising an application process of applying a lubricant to said protection layer, a subsequent ultraviolet rays treatment process which connects a portion of said lubricant to said protection layer while leaving a portion which is not connected to said protection layer, and a subsequent washing process for removing which removes said lubricant which is not connected to said protection layer by immersing the magnetic recording medium in a solvent of amorphous carbon plural times.

2. (Original) The method as claimed in claim 1, wherein said lubricant is a compound of the perfluoro-polyether with an end-group including piperonyl or hydroxyl group.

3. (Withdrawn) A method of manufacturing a magnetic recording medium comprising the steps of:

a) laminating an underlayer, a magnetic layer for recording, and a protection layer of amorphous carbon on a substrate of said magnetic recording medium in turn; and

b) repeating a process to said protection layer of amorphous carbon comprising an application process of applying a lubricant, an subsequent heat treatment process, and a subsequent washing process for removing said lubricant which is not connected to said protection layer of amorphous carbon plural times.

4. (Withdrawn) The method as claimed in claim 3, wherein said lubricant is a compound of the perfluoro-polyether with an end-group including hydroxyl group.

5. (Currently Amended) A method of manufacturing a magnetic recording medium comprising the steps of:

a) laminating an underlayer, a magnetic layer for recording, and a protection layer of amorphous carbon on a substrate of said magnetic recording medium in turn; and

b) repeating a process to said protection layer of amorphous carbon plural times, said process comprising an application process of applying a lubricant to said protection layer, and a subsequent ultraviolet rays treatment process plural times which connects a portion of said lubricant to said protection layer.

6. (Original) The method as claimed in claim 5, wherein said lubricant is a compound of the perfluoro-polyether with an end-group including piperonyl or hydroxyl group.

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7. (Withdrawn) A method of manufacturing a magnetic recording medium comprising the steps of:

a) laminating an underlayer, a magnetic layer for recording, and a protection layer of amorphous carbon on a substrate of said magnetic recording medium in turn; and

b) repeating a process to said protection layer of amorphous carbon comprising an application process of applying a lubricant, and a subsequent heat treatment process plural times.

8. (Withdrawn) The method as claimed in claim 7, wherein said lubricant is a compound of the perfluoro-polyether with an end-group including hydroxyl group.

9. (Withdrawn) A magnetic recording medium having a lubricant layer comprising bonding sub-layer on a surface of said magnetic recording medium and manufactured by a process comprising the steps of

a) laminating an underlayer, a magnetic layer for recording, and a protection layer of amorphous carbon on a substrate of said magnetic recording medium in turn; and

b) repeating plural times a process to said protection layer of amorphous carbon comprising an application process of applying a lubricant which is a compound of the perfluoro-polyether with an end-group including piperonyl or hydroxyl group, and a subsequent ultraviolet rays treatment process, or b) repeating plural times a progress to said protection layer of amorphous carbon comprising an application process of applying a lubricant which is a compound of the perfluoro-polyether with an end-group including piperonyl or hydroxyl group, a subsequent ultraviolet rays treatment process, and a further subsequent washing process for removing said lubricant which is not connected to said protection layer of amorphous carbon.

10. (Withdrawn) A magnetic recording medium having a lubricant layer comprising bonding sub-layer on a surface of said magnetic recording medium and manufactured by a process comprising the steps of:

a) laminating an underlayer, a magnetic layer for recording, and a protection layer of amorphous carbon on a substrate of said magnetic recording medium in turn; and

b) repeating plural times a process to said protection layer of amorphous carbon comprising an application process of applying a lubricant which is a compound of the perfluoro-polyether with an end-group including hydroxyl group, and a subsequent heat treatment process, or b) repeating plural times a progress to said protection layer of amorphous carbon comprising an application process of applying a lubricant which is a compound of the perfluoro-polyether with an end-group including hydroxyl group, a heat

treatment process, and a further subsequent washing process for removing said lubricant which is not connected to said protection layer of amorphous carbon.

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